

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Mike Warren <m\_warren@compuserve.com>  
Subject: (almost) Free TEK CRT  
Message-ID: <199704210310\_MC2-14A3-EB04@compuserve.com>

Hi Gang,

List-member Tom Clarke, 'fclarke@erols.com' is donating "to the greater good of BA land" one each, new-in-the-box TEK model T-5643, p/n 154-0738-00, CRT. Also included is a new clear-plastic face plate.

Why am I bringing you these tidings and not Tom? Because I have the CRT (don't ask!). Anyway, since it cost Tom \$7.50 to ship it to me and it's going to cost me \$7.50 to ship it to whoever wants it, it's going to cost that person \$15.00 to acquire this goodie.

E-mail me your address if you want it -- in case of more than one, I'll pick one at random. Self-addressed envelopes for Tom and I will be in the box.

73,

Mike W5MAZ (in MN)  
m\_warren@compuserve.com

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: don merz <71333.144@CompuServe.COM>  
Subject: 3010B Update  
Message-ID: <970421165349\_71333.144\_DHB72-2@CompuServe.COM>

Several people have asked about the Mackay 3010B I have and how it's going. I haven't had much time to work on it, but I did finish some repairs last night. It had 3 burnt-out resistors in the input attenuator (obviously it was in a high-RF environment). Two burnt into charred dust and one failed open. I replaced those. I did some resistance checks and it looks otherwise okay. Now I have to make the dad-blamed octal power cord. I actually needed to get the manual (thanks bafolk!) to see how this goes together because the rec/stby jumper and remote on/off switch jumper are in this connector instead of being separately brought out elsewhere and I was too lazy to track this down without a manual.

So I will apply power to it shortly and hopefully no smoke will escape.

73, Don

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "Anderson, Craig - Ext. 1365" <CAnderso@smtp.stp.tec.mn.us>  
Subject: 83 tube failures in Hickock 600, 6000A  
Message-ID: <335BB217@smtp.stp.tec.mn.us>

I have several tube testers of the Hickock variety and I am wondering if anyone has replaced the type 83 and 5Y3GT tubes in these venerable testers with silicon diodes. Now I know this is hollow state with the price of 83s at nearly \$20 I thought I'd try.. Considering the closed space and heat generated from these bottles (particularly the 83) I thought that diodes would be a better choice. Additionally, the tubes lay horizontal which does not help the situation. My concern is what it might do to the calibration of the tester. Has anyone done this and if so, could you let me know how successful it has been and if you needed to have your tester re-calibrated.

Craig, K0AZB  
canderso@stp.tec.mn.us

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Re: 83 tube failures in Hickock 600, 6000A  
Message-ID: <Pine.ULT.3.95.970421131658.23235B-100000@admin.aurora.edu>

On Mon, 21 Apr 1997, Anderson, Craig - Ext. 1365 wrote:

> I have several tube testers of the Hickock variety and I am wondering if  
> anyone has replaced the type 83 and 5Y3GT tubes in these venerable testers  
> with silicon diodes.

I replaced the 83 with SD's. Don't remember if I did the other or not.  
Didn't notice much, if any change in readings.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Mail List Owner <listown@jackatak.theporch.com>  
Subject: ADMINISTRIVIA: Using The Archives  
Message-ID: <9704201115.aa24577@jackatak.theporch.com>

Gang-

This periodic post is designed to help everyone gain more value from their boatanchors subscription.

SAVE THIS FILE FOR FUTURE REFERENCE!!!!!!

Often I receive an email request, or I read on the list, of someone who is aware there is an archive available with some special files with special information that is of a more permanent nature than a post to the list, but who is unaware of how to retrieve these gems.

In the archives, there are cross-reference tables for Tubes, Military Equipment Nomenclature, suggestions for restorations and modifications to our beloved fire bottle rigs, and some wonderful stories of real adventures and the people involved.

These files may be accessed by email... quickly and easily.

Step One:

send an email (leave the subject blank, or, if your mailer requires a subject, type a single character, like "a" in the subject box) to:

listproc@sco.theporch.com

Step Two:

in the body type:

index boatanchors

Step Three:

after checking out the index for files of interest, and finding the one or more you want to have sent to you, send another email to:

listproc@sco.theporch.com

and, in the body, type:

get boatanchors file.name

where you substitute the name of the file from the index for "file.name"

This should get you off to a good start. If you encounter any problems, please let me know at the address below.

--

73

Jack, W4KH/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

listtown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Al Klase <skywaves@bw.webex.net>  
Subject: AGC Problems (LONG)  
Message-ID: <335BC17B.7412@webex.net>

Having fallen victim to the AGC bug too many times myself, I'd like to offer the following wisdom:

## AGC PROBLEMS

Do you reach for the RF gain control when you tune your local AM broadcast station? One of the most commonly heard complaints from owners of iboatanchor communications receivers and other vintage high-performance radios is: iThe audio is distorted on strong signals.i While audio distortion may be the result of an inoperative or poorly tuned stage or stages in the receiver, once the first-order bugs are exorcised and full sensitivity is realized, this distortion is almost always an AGC problem.

## THE NEED FOR GAIN CONTROL

The overall combined maximum voltage gain through the RF and IF stages of common receivers is on the order of a million. For AM and SSB reception, all of these amplifiers must operate in a linear mode, i.e. they must not saturate or clip, if the signal's modulation envelope is to be accurately reproduced. Obviously, the full gain of the receiver is needed only for the weakest signals.

In tube type receivers the RF and IF gain control is almost universally accomplished through the magic of remote-cutoff pentodes. The gain of amplifier stages using these ivariable mu tubes, such as the 6K7, 6SK7, and 6BA6, can be varied electrically by changing the bias on the signal grids. Because the gain of a single stage can not be reduced to zero, gain control signals are generally applied to all amplifier stages and sometimes the mixer(s).

## AUTOMATIC GAIN CONTROL

In almost all receivers since the early 1930's, especially for AM reception, the RF and IF gain is controlled automatically. This not only accommodates fading, but avoids iblasting on strong signals or missing weak signals all together when tuning across the band.

In broadcast receivers, the AGC function is universally present, but is generally hidden from the user. The ivolume control knob effects only the gain of the audio amplifier.

Communication receivers usually have both automatic and manual RF gain controls. The manual control is intended for use in situations, such as CW reception, where the AGC circuit may not function properly. Any quality communication receiver, in proper operating condition, will

receive all but the most grotesquely strong AM signals with minimal distortion in the AGC mode with the MGC wide open

Throughout the 1930ís and early 40ís these functions were referred to as automatic volume control, AVC, and manual volume control, MVC. In the WWII era, with the introduction of systems, such as TV and radar, where the parameter being controlled is not audio volume, the term ígain controlí begins to creep in. For our purposes, it means the same thing.

## IMPLEMENTATION

AGC is accomplished by recovering a DC signal from the detector stage that is proportional to the signal strength and applying it to the gain controlled stages in such a way as to reduce the gain as signal strength increases. In tube-type receivers, the AGC voltage will always become more negative with increasing signal strength. The AGC signal must be low-pass filtered to remove the audio component of the signal, lest the AGC system suppress the modulation of the incoming signal.

In most common applications, the AGC signal is picked off from the junction of the last IF transformer secondary and the detector-diode load resistor. (Which is probably masquerading as the audio gain control potentiometer.) The AGC signal will pass through a series of high value resistors on its way to the control-grid return connections of each of the gain controlled stages. This AGC bus will also have a number of capacitors from the various resistor junctions to ground. The larger caps, at the detector end of the bus, establish the basic AGC time constant, while the others further filter the AGC signal and bypass stray RF signals to ground.

## THE PROBLEM

The receiver is in ostensibly good operating condition: All stages have known good tubes with the appropriate voltages on their elements. The set is aligned properly and all the adjustments could be peaked. And, you can hear weak signals at least down to about 10 microvolts. When tuned to a distant AM station the audio sounds good. When tuned to a local; distortion is obvious, and goes away when you switch to MGC and reduce the gain. The condition can also be observed by connecting a modulated signal generator to the antenna terminal. You should be able to bring the signal level up to the better part of a volt before serious distortion can be heard or the audio output ífolds backí to a lower level.

The AGC bus is generally a very high impedance circuit so as not to unduly load the detector circuit. Furthermore, because the gain of the controlled stages increases EXPONENTIALLY with a decrease in AGC voltage, even small amounts of leakage will cause the AGC system to malfunction. The source of this leakage is almost always the capacitors on the AGC bus.

How much leakage is acceptable? Alís law: 10 megs is a significant

problem, 1 meg is a disaster.

## THE FIX

In receivers with paper caps, especially the dreaded iMicamoldsî or anything coated with wax: REPLACE ALL THE CAPS. In fact, do this before you even turn the set on and save yourself a lot of trouble. A quality vintage receiver can often be brought back to life and play quite nicely by just shotgunning the caps and making no adjustments at all. Then a ilightî alignment puts it in primo condition. I keep coming back an observation I heard from an old time race car mechanic: iDonî even try to tune junk.î

So you do the above and things get better, but thereîs still a problem with strong signals. What now? Make a Xerox copy of your schematic, and high light the AGC bus. Disconnect the bus from the diode-load resistor and measure the resistance from the bus to ground. It should be essentially infinite. This will enable you to find any caps you missed (or decide to ignore like those inside IF cans), other leaky components (Iîm starting to find leaky postage stamp mica caps.) or physical shorts. Most digital meters measure to 20 megs and are usually adequate. The HP 410îs will read 100îs of megs and are recommended for the paranoid.

Some receivers, the R-390 family in particular, have a high value resistor to ground at the far end of the AGC bus. You need to disconnect it to perform the above test.

When you look at a schematic, the AGC circuit is all but invisible. So itîs not suprising that itîs often overlooked as a source of trouble. Hopefully, this article will help get the old set playing properly again.

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Kevin McDonald <kevin.mcdonald@tivoli.com>  
Subject: AR-812 - Help!  
Message-ID: <335BC703.5201@tivoli.com>

Well Belton blessed me with an AR-812 which is an early super-hetrodyne radio made in 1924. The electronics seem complete although the battery and speaker wiring has been removed.

I have a schematic and overview from 'Fixing up nice old radios' but I think I'm going to need a bit more info.

- 1) The correct battery voltages. The schematic indicates 2 \* 45 volts for the B+ but does not specify A or C voltages.
- 2) Speaker hookup. I was told to use at least 2000 ohms on a matching transformer.
- 3) Information on the best method to melt the wax out of the catacomb if that should become necessary. I have it open and the wax comes off easily with a little heat but I decided to stop until I got some good advice...
- 4) Info on useable tubes and possible replacement types. I was told at the show that the 99's are troublesome.  
Currently the radio has UV-199's and some C299's.  
Is there a similar tube type that I can use the specs for to check for emissions and shorts? I can rig up an adapter to use an octal or other type socket on a Hickok 600.
- 5) Does any one have a test procedure to test the catacomb itself without melting it down? i.e. resistance/capacitance tests etc?
- 6) References to publications that cover this or similar radios.

If anyone is willing to provide any info please e-mail or I can send an SASE if I find someone with paper work copies or someone with no internet access. Please feel free to forward this msg to any one who might be interested in helping.

Thanx a bunch!  
Kevin McDonald  
N50JF  
kevin.mcdonald@dev.tivoli.com  
512-918-2482

small photo of AR-812 at:  
[http://www.antiqueradio.com/photorev3\\_10-95.html](http://www.antiqueradio.com/photorev3_10-95.html)

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Paul & Sandra Bock <bocks@erols.com>  
Subject: Beam filter data  
Message-ID: <335AFB34.21F7@erols.com>

Gang,

I made a few quickie measurements and assorted calculations this evening on a Beam Filter driven by a 600-ohm source impedance sig gen and

connected to 600-ohm phones. I have no idea if this "matches" the unit or not, but it should be roughly representative of what we Boatanchors are likely to see when we hook one up to the trusty old BC-348 or other BA receiver and plug in the HS-23/U 'phones. In my case, that's using an R-4A with a 8 ohms to 1k ohm output transformer.

RANGE: Provides a peak at about 900 Hz. 3 dB points are about 780 Hz and 1020 Hz. When compared with the R-4A filter on CW signals it seems roughly equivalent to the 400 Hz BW position \*except\* that the Beam Filter seems to have around 10 dB of insertion loss. It worked great on my BC-348-Q (before I sold it, of course).

PHONE: Provides a unsymmetrical notch centered at about 880 Hz. 3 dB points are at about 550 Hz and 1290 Hz. Notch depth at 880 Hz is about 36 dB (not bad for passive LC, but that explains the insertion loss).

BOTH: Shows three small dips over the audio range: 640 Hz (4.9 dB down), 860 Hz (1.4 dB down) and 1100 Hz (6.1 dB down). Otherwise nominally flat over the audio range from about 300-3500 Hz.

Measurements made using a Knight KG-688 Sine/Square Wave generator, Tektronix 317 'scope, Knight KG-625 VTVM, and H-P 5245L Frequency Counter.

FWIW.

73,

Paul, K4MSG

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997

From: dlr11@scasd.k12.pa.us (Douglas Ripka)

Subject: Beam filter info

Message-ID: <199704202004.QAA15130@scasd.k12.pa.us>

Hi all,

Have been reading the thread on beam filters. Some years ago, I had a HP 608D that was previously owned by Piper Aircraft. On the front panel, the audio modulation was relabeled from 1000 cycles to 1020 cycles. Was this in connection with testing the beam filters? If so, why 1020 and not the stock 1000 cycles?

73,



Doug KA3TTQ

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: Beam Filters  
Message-ID: <Pine.SUN.3.95.970421022913.28896B-1000000@coyote.rain.org>

Think you'll find the old books say 1020 Hz rather than 1000. Why they picked that oddball, I'll never know. Same for the FL-5 and FL-8 Air Corps equivalents.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: kb5wwwo@juno.com (George Folse)  
Subject: Belton  
Message-ID: <19970420.183601.5071.1.kb5wwwo@juno.com>

Hello All,

Well after 522 miles and 10 hrs later I am back home. Had a good time as always, bought some BAs, and meet a lot more people, and ate a lot of good Texas food.

I have one complaint, bought a HQ 110 from someone who said it worked fine, got it home and turned it on, it was DOA.

I wish people would just be honest about it instead of lying, that is just making him look bad. I do not know him, but I never forget a face.

73s to all,

George Folse KB5WWO kb5wwwo@juno.com  
630 Dolhonde St.  
Gretna, La. 70053  
504-362-1896 ph/fax  
Collector of Heathkit, EF Johnson, and Atwater Kent AMI#937

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Bill Sorsby <bill.sorsby@dlemail.itg.ti.com>  
Subject: Belton Haul and Docs Needed  
Message-ID: <199704202025.PAA10244@dlep1.itg.ti.com>

Greetings,

Following a several week dry spell without BoatAnchors, I got up early Saturday and travelled 150 miles to Belton. Considering the high prices at the Belton swapfest last October, I didn't expect much, so I didn't try to get there especially early. Instead, I rolled in about 6:40. (It started at 6:00.)

Suffice it to say that I was surprised. For the first hour or so, I spent more time hauling stuff I'd just bought back to the car than I did looking for stuff to buy. It took an hour or so before I even made a full round of the area.

Stuff I bought:

Eldico T-102 (S-line clone transmitter), poor, \$20

This unit is S/N 18 and joins my existing T-102 S/N 26 and R-104 S/N 27. It is a rich find because it comes with a full set of original knobs which nearly provides a complete set of knobs for the two better units. While I don't intend to part this unit out, I may swap the PT0 with the one in the Receiver which seems to have worn out bearings.

BC-779A (poor) with R-94A power supply (good), \$30

I need another SP-200 Super-Pro like I need another hole in my head, but the power supply was just too good to pass up. The BC-779A, unfortunately, falls in the category of being a parts unit. Someone rewired much of this receiver and it's a mess. For some reason, the original potted audio transformers were replaced with open frame transformers.

BC-669D with 115 VAC power supply, very good, \$25

I bought this to give to a benefactor. This is a complete AM/CW transmitter and receiver combination including a monstrous 115 VAC power supply. The three pieces together weigh close to 200 pounds. Frequency coverage is from about 1.6 MHz to a little over 4 MHz. The transmitter is crystal controlled with a pair of 807 finals and four 6L6's which appear to comprise a high level plate modulator. The receiver may be TRF. Anybody familiar with this system? How about schematics/manuals?

SB-300 & SB-401, very good, \$75 for both, including manuals

When I noticed that the SB-300 receiver included all three filters, 2.1 kHz SSB, 400 Hz CW and 3.5 kHz AM, this seemed like too good a deal to pass up, especially considering their very nice condition. After getting home I further discovered that the 2.1 kHz filter appears to be an aftermarket upgrade with non-standard markings and model number N404-200 EE-3A. (It may have faded manufacturer's markings on the side which I couldn't read.) Checkout shows 2.1 kHz passband, but 60 dB skirt selectivity only a little over 3 kHz rather than 5 kHz spec'ed for the standard Heath filter. The SB-300 seems to work well, except that the LMO tunes quite erratically, so I guess I'll have to dig into it and fix that tuning cap. The SB-401 has an

exceptionally clean front panel and except for the fact that the main tuning knob has been converted into a spinner knob, this unit appears to be unexceptional. Whoever modified the Heath knob into a spinner knob, did it very nicely as the spinner knob could pass for being original equipment! After I paid for the two units, the seller volunteered that he worked for the ARRL a few years back and that both these units had "historical value" as these were the actual units reviewed in QST. Anybody know the dates these reviews were printed? Anybody familiar with the N404-200 EE-3A 2.1 kHz filter?

Knight-Kit Star Roamer, excellent, \$20

Nearly 35 years ago, I built a Star-Roamer. It was my first kit-building experience and not altogether successful. After building the Star Roamer, it took another six months or so to save up another \$25 to purchase a Knight-kit signal generator to troubleshoot the Star-Roamer. Fortunately, the signal generator worked when built and I readily found the shorted grid to ground in the audio amplifier (and then wondered why I hadn't been able to find it earlier). Anyway, I told myself a while back that if I happened upon another Star Roamer in decent shape for \$15 or so I'd pick it up. I powered up the Star Roamer and found it to be working OK (for a Star Roamer). It readily goes into oscillation (I remember my first one did also), has poor calibration (my first Star Roamer was better) and has atrocious hum (not normal).

Measurements Corporation Model 111 Crystal Calibrator, good, \$12.50

This interesting little find is a little smaller than a breadbox and provides markers at 250 kHz, 1 MHz and 10 MHz. Inside, it has four or five tubes like 12AX7's and 6AU6's. It has place for only one crystal, however, a 10 MHz crystal. I presume that the lower frequencies must be phase locked to the 10 MHz oscillator. Anybody familiar with this model calibrator?

Heathkit RLC Bridge IB-5281 (solid-state), excellent, \$10

Anybody willing to copy the manual or schematic for this.

D-104 with T-UG9 amplified base, good condition

I've been looking for an affordable D-104 with an amplified base for a year or so and picked up this one up from fellow list member Phil Mills. (Thanks Phil!)

Oh yeah, and I spent another \$9 on little baggies filled with miscellaneous connectors and such.

Missed out on the TR-4CW/RIT because the seller wasn't around either time I came by! (I was told he had taken a bathroom break.)

After three hours of fun at Belton, my small two-seater car was packed full so I headed home.

My impression of this Belton fest is much different from the last one. I believe that everything I bought was from individuals selling off their own acquisitions rather than from the profiteers and resellers. In contrast, the last Belton fest was loaded with profiteers whose holdings mostly sat unsold. Judging from my experience this time, the profiteering resellers didn't snatch up the bargains early on at this fest, so perhaps the BoatAnchor market's not quite as lucrative as some had hoped. Suffice it to say, the flavor of this Belton fest was far different and more pleasant than the previous one.

Now, to find a little time to devote to working on the acquisitions.

Regards,  
Bill Sorsby, N5BU            bill.sorsby@dlep1.itg.ti.com  
Grapevine, TX 76051

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Kevin McDonald <kevin.mcdonald@tivoli.com>  
Subject: Belton!  
Message-ID: <335BC70E.4554@tivoli.com>

Well Belton lived up to its reputation for BA's.  
Jeff Kilgore went up Friday night so I filled his truck up with all stuff I could live without. The smaller items I priced at free to make sure it moved.  
Included were a TX-1, HQ-129-X, broken test equipment etc.  
When I showed up at 9 it was all gone!  
I really didn't want to buy anything but picked up a French general coverage military set from Mike with home brew PS.  
Jeff was in his truck ready to leave at about noon and was waiting for the aisles to clear so I did one last walk around and my gaze fell on a large wooden radio on the ground. I know little or nothing about 'antique' radios but this one was impressive! I looked at the beautiful woodwork and brass controls and opened it up to find that the guts were all there if totally disconnected. In a fit of total (I have no idea if I can fix this - impulse buying frenzy) I offered 2 Ben Franklins and came home with an AR-812!

See my next posting for pleas for help from the Antique Radio Gurus.

A small black and white picture can be seen at:

[http://www.antiqueradio.com/photorev3\\_10-95.html](http://www.antiqueradio.com/photorev3_10-95.html)

73 Kevin,

N50JF

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: Bencher BY2 FS  
Message-ID: <199704201409\_MC2-149B-6730@compuserve.com>

I have a NIB Bencher BY-2 chrome paddle,  
iambic for sale,

\$70 including postage anywhere in the world !

73, Ben G4BXD

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: FPorzelt@seic.com  
Subject: Books; where?  
Message-ID: <vines.I,I8+KWsKnB@WAYNE.SEIC.COM>

Hi All.

Over the last month or so, I've managed to pick up a few interesting books, like:

- Television Engineers Pocket Book, PJ McGoldrick, sixth edition, 1973
- Dictionary of Electronic Terms, Allied Radio, 7th edition, 1967
- Experiments with Electricity, Beeler & Branley, 1949

If you all promise not to "scoop 'em up" at my supplier, hi hi, I'll tell you where I found them. It seems my local library puts books out for sale when they decide not to keep them in "circulation" any longer. How much? These cost 10 cents a piece. (That's right, a dime each). These are in pretty good condition, guess they weren't on the "top 10 bestsellers" list. Oh, they have non-radio books, too (and I did pick up a few like weather forecasting, interior home design, etc).

Might be worth a check at your library to see if they have such a "book disposal" program. Would be interested in hearing any other nice finds in this or similar vein. Good luck and 73!

Fred KB9MVU

-----  
Fred Porzelt  
312.460.2497 Voice / 312.460.2555 Fax  
fporzelt@seic.com

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: Bob Reynolds <breynold@sigg.com>  
Subject: Re: Chevys vs Ground rods..... -Reply  
Message-ID: <97Apr21.083708cdt.19677@firewall.sigg.com>

>Roberta J. Barmore wrote:  
>  
> 17 lefthanded  
redheads all  
>nicknamed  
>>"Squinty"\*

The only lefthanded redhead I know is the one I see in a mirror  
and is nicknamed "Red".

73, Red K5V0L

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: "Denny Gilbertson" <gilbertson@ics.uwex.edu>  
Subject: Coax connector for R-366  
Message-ID: <MAILQUEUE-101.970421081657.256@ics.uwex.edu>

WTB a coax connector for the antenna connection to my R-366. It is  
J-301, a female in-line that plugs into J101.

Some numbers are 17-T-82437-5681 with Navy number of 49121A, I think.

Anybody have an extra or know of an alternative adapter method to a  
standard UHF style PL-259 type.

Thanks.

73

Denny Gilbertson K9JCZ  
gilbertson@ics.uwex.edu

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>  
Subject: Conductive epoxy (a.k.a, fixing the RF gain pot for my HQ-170A)  
Message-ID: <9704211342.AA11502@us2rnc.zko.dec.com>

This weekend, I disassembled the RF gain pot to see if I could fix it.  
Since the 10K section measured about a constant 50K I figured it had  
been burned out.

The good news was when I opened it up, the burn was across the resistance ring right next to the riveted connection. I then remembered about a friend of mine telling me about some conductive epoxy he used to fix an edge connector (with a burned out trace) on the floopy for his son's computer.

Since I didn't have any, I had to go out and get some. I discovered two varieties: the usual 2 part epoxy and a pen (glue) type version. I opted for the pen. (The 2 part requires about 24 hours to cure, and the pen about 30 minutes.)

When I got home, I laid some over the burned out portion of the ring. It was, fortunately, out of the wiper area. After curing I measured the resistance, and it was exactly where it should have been. I then re-assembled the pot and soldered it back into the circuit. (The epoxy/glue will tolerate low temperature for short periods of time.)

When I turned on the radio...IT WORKED!!! The RF gain pot now works as Hammarlund intended. After a quick alignment of the IF stages this radio really snags the signals. (In fact, better than my R-390A. I guess I may have to work on it next...)

Even happier camper :- ) :-)

73

- Mark N1VQW

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Laird\_Tom\_N@hpmail1.90.deere.com  
Subject: Dayton BA people  
Message-ID: <H00005a004e3cd10@MHS>

Here is what I have so far. Send me an e-mail if you want to be added to the list!

Tom Laird WC9M Moline, IL  
TL39597@deere.com

-----

CALL	NAME	SPACE	HOTEL	NOTES
----	----	-----	-----	-----
WD4KZK	Charles	115		
WA5VVT	John	459		Perfect 10 antenna company
WB9OVV	John	735		
W3BJZ	Dave	2317		Collins Journal
KA6EPI	Dave	2353		
W8ZR	Jim	2757		

K9UWA	John	2843,2844	Plaza (old Stouffers) BA's & Antiques
W5VDU	Rich	2912	
W4SSB	Manuel	3821	
W8ZV	Kim	3249-51	(also W4PNT, Dee and WA8GLE, Steve)

# WALK AROUNDS

-----

WC9M	TOM	Hampton Inn North	Fri, Sat, Sun.
W4KH	JACK(*)		
KE4000	GREG		Fri, Sat, Sun.
N4RT	RON		
WD4KZK	CHARLES		
KA4QYN	EMERSON		
K9FD	MERV	Howard Johnsons	Thur Fri Sat.
W4EJ	DAVE		with HP booth
W1GGM	EMIL	Comfort Inn-Fairborn	Thur-Sun.
VE3JPT	JEAN PAUL	Radisson Inn	Fri, Sat, Sun.
VE4ANC	LEE		
VE4YH	GARY		
W1RC	Mike Crestohl(*)		
VE2QF	CYNTHIA		
K2XT	Rick(*)		
KH6CTQ	PETER	Holiday Inn, Fairborn	

(\*) Mike, Jack and Rick will be moderating/speaking at the Amateur radio and Internet forum on Saturday from 3:00 to 5:00pm in ROOM 4 at Hara Arena.

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
 From: Bill Meara <wmeara@erols.com>  
 Subject: Delaware 'fest report  
 Message-ID: <199704202108.RAA01581@smtp1.erols.com>



A family visit took me to northern Delaware this weekend. I was pleased to find a hamfest conveniently scheduled for Sunday morning in New Castle. Turned out to be a small, but very pleasant 'fest. Picked up a nice Variac and a relay that will soon be switching my HQ-100/DX-60B combo from T to R (and vice versa!).

There weren't a lot of Boatanchors there, but I did see that quintessential BA, the DX-100 priced at 150 dollars. (I almost went for it!) Saw a pretty beat up Heath AT-1. Asked how much and the fellow boldly stated, "\$175.00"...

Didn't run into any members of the BA gang, but I didn't really have time to socialize. I was southbound on I-95 by 11 am.

73 de N2CQR  
Bill Meara  
QTH: Falls Church, Virginia, USA  
Formerly of Tegucigalpa, Bilbao and Santo Domingo  
wmeara@erols.com  
<http://www.mindspring.com/~johnmb/billm.htm>

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: hikrbikr@erols.com  
Subject: Drake SPR-4 SWL Receiver  
Message-ID: <335AA335.3916@erols.com>

Harry Kaklikian, W4ACN, well-known voice on the Collins nets, arch-expert in these parts for fixing up KWM-2 and S-Line BAs, and known by many locals as "Mr. Collins," has been asked to help out the widow of a recent SK. Among the stuff he is planning to sell is a Drake SPR-4 SWL receiver. Although this little receiver is solid-state, it is said to be a collector's item and not very common.

I haven't seen it, but Harry said it is absolutely immaculate, has extra crystals and other items, and the original price tag is with it. The only thing he doesn't have is the power cord, a Drake unique item apparently, so he doesn't know how well it works. Maybe Drake still carries them. Anyway, Harry thinks it should bring \$300, but I recommend interested parties contact him directly at (703) 978-4402.

73 es GL,  
Mike Steussy  
AE4R  
Vienna VA

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: "Robert S. Ross" <radiorob@serix.com>  
Subject: Eimac VT127-A Tube Info/Hamfest report.....  
Message-ID: <3.0.16.19970420170448.290797b0@serix.com>

Hello Guys:

This morning...Sunday, Myself and a couple of Friends, VA3CQ & VA3FJ went to the Grosse Point (Detroit), Mich. Hamfest. Not a real big event....but lots of Boatanchor material to be had. I didn't bring any of the radios home...but did pick up a few smaller items to bring back to CANADA!!! A fellow had an old "BEAT UP" homebrew amplifier....it was in real sad shape...he wanted \$20.00 for it for the parts. I didn't really want to haul it's ugly carcass back with me....but inside there were 2 real interesting tubes. They were a pair of Eimac VT-127A's. Real strange looking gizmos with a weird glass envelope and 4 robot like arms sticking out from the sides!! The bases only have 2 pins.....but the original sockets were there too!! I offered him \$10.00 for the tubes....and he said yes....so I pulled out the wire snips and snipped off the wire leads so I could also score the spiral contact lugs as well. I unscrewed the sockets....paid my \$10.00 ..and off I merrily rode. I saw him toss what was left onto the floor with a thud.....it was not a pretty site...I imagine it was either left on the floor to die...or hauled off to the School's Dumpster!!

The only reference I can find to these rather largish tubes is that they are VHF Triodes. Does anyone else have any other info on them....when they were made....power output...are they hard to find???? I personally have never seen them before in real life...only in some QST ads from 1946...shown as war surplus?? Any info or comments on these tubes would be greatly appreciated.

Also picked up a box of old 4 and 5 pin large sized sockets....porcelain, plastic, some new in box etc, some RCA's. Also found a small mobile logbook put out by Heathkit around 1961.....complete with the yellow plastic outer book to house it....only \$2.00 For this.

That's about it for purchases....coulda spent tons o' money on some nice BA 's...but didn't take enough....and would have had to haul it all through customs as well.....

Here's some of the stuff I saw.....

Drake 2B/2BQ...Mint...Beauty.....\$180.00 Still there....  
Drake 2C/Matching Speaker..Mint...Beauty.....\$180.00 Sold.  
Collins KWM2 Repainted a little rough.....\$280.00 Stil There.....  
2 Heathkit DX 100's Rough.....\$150.00 for both.Sold.

Heathkit DX-60..Real nice \$80.00...said he'd take \$65.00...Still there.  
Johnson Thunderbolt 2 KW Amp.....Very Nice.....\$850.00...still there when I left.  
Johnson Thunderbolt " " ".....rough shape said it works.....\$350.00...Still there.  
Some Gonsets..Still there.  
Hallicrafters HT37?? Transmitter and matching Supply and Mic. Good shape...\$95.00...Started out at \$125.00.....I almost bought this.....still wondering if I made a mistake not doing so?????

Not much in the way of tubes...and very little literature...old books, manuals , Mags etc....which is what I really enjoy looking for!!

Did anyone else scoop anything good before I arrived there at 0730????

73..ROB.

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: "John D. Peters" <k1er@gte.net>  
Subject: Re: Eimac VT127-A Tube Info/Hamfest report.....  
Message-ID: <335AFBA0.5C9C@gte.net>

Robert S. Ross wrote:

>  
> Hello Guys:  
>  
> This morning...Sunday, Myself and a couple of Friends, VA3CQ & VA3FJ went  
> to the Grosse Point (Detroit), Mich. Hamfest. Not a real big event....but  
> lots of Boatanchor material to be had. I didn't bring any of the radios  
> home...but did pick up a few smaller items to bring back to CANADA!!! A  
> fellow had an old "BEAT UP" homebrew amplifier....it was in real sad  
> shape...he wanted \$20.00 for it for the parts. I didn't really want to haul  
> it's ugly carcass back with me....but inside there were 2 real interesting  
> tubes. They were a pair of Eimac VT-127A's. Real strange looking gizmos  
> with a weird glass envelope and 4 robot like arms sticking out from the  
> sides!! The bases only have 2 pins.....but the original sockets were there  
> too!! I offered him \$10.00 for the tubes....and he said yes....so I pulled  
> out the wire snips and snipped off the wire leads so I could also score the  
> spiral contact lugs as well. I unscrewed the sockets....paid my \$10.00  
> ..and off I merrily rode. I saw him toss what was left onto the floor  
> with a thud.....it was not a pretty site...I imagine it was either left on  
> the floor to die...or hauled off to the School's Dumpster!!  
>  
> The only reference I can find to these rather largish tubes is that they  
> are VHF Triodes. Does anyone else have any other info on them....when they  
> were made....power output...are they hard to find???? I personally have  
> never seen them before in real life...only in some QST ads from

> 1946...shown as war surplus?? Any info or comments on these tubes would be  
> greatly appreciated.  
>>  
> 73..ROB.

The VT-127 was a radar tube. They were popular right after the war since they were \$6 or so on the surplus market. People used to run a pair of them at about 400 Watts CW or AM. I recall the anode being about 100 Watt dissipation. Bill Gish W0FRU used to tear up the neighbors AM radio with a pair of them on 75 AM.

VT127A 100W max plate diss, cath 5.0v 10.4 amp, max plate voltage 16,000 amp factor 15.5, inter electrode cap: 2.7 gr to fil, 2.3 gr to plate, 0.35 plate to fil, base none, socket conn T-4B, SERVICE:

Oscillator at 200 Mc 16000v plate 5000v grid 9.4 ma plate current, 2.3 ma grid current, approx carrier output power 10,000 Watts.

Right there in your 1946 ARRL handbook. Not your normal ham tube. I'd say the pulse length was short for 10,000 Watts output.

73 John K1ER

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: GIBSON@ASTRA.LBL.GOV  
Subject: Fan slowing. G43 service manual.  
Message-ID: <970420135335.2040071e@ASTRA.LBL.GOV>

Bought a like-new heatgun for a \$1 at a garage sale. At home found it was for 220V AC! Managed to find a 110 V plug-in heating element but a replacement 110V motor was too expensive. Finally figured out that if I made a series resonant circuit with a series cap, enough current would flow through the motor to spin it. Tried it and it worked!

At last weeks Livermore swapmeet found the Gonset G43 receiver that I had looked for for years, but no service manual came with it. Does anyone have one please. This is the late model with the 6AQ5 output.

Thanks  
John Gibson, Berkeley  
Calif.

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: flegler@pilot.msu.edu (Stanley L. Flegler)

Subject: FS: 500 KHz Mechanical Filters

Message-ID: <199704211218.IAA38331@pilot08.cl.msu.edu>

I have two 500 KHz mechanical filters for sale of recent vintage, marked Rockwell, Inc., Costa Mesa, CA. One is part #526 8499 010 500 KHz AM (6.8 KHz wide, I think), the other is #526 9987 010 500 KHz USB (3.1 KHz wide, I think). The AM one might do for a replacement in a 51J4 or similar 500 KHz IF's. I'll sell the AM for \$20, the USB for \$10 including shipping. 73 Stan Flegler, K8RPA, flegler@pilot.msu.edu

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: flegler@pilot.msu.edu (Stanley L. Flegler)

Subject: RE: FS: 500 KHz Mechanical Filters

Message-ID: <199704211350.JAA130115@pilot05.cl.msu.edu>

Sorry, both mechanical filters sold within one-half hour. 73 Stan

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: W9zr@aol.com

Subject: FS; Vintage Equip Manuals

Message-ID: <970421094437\_-667295006@emout06.mail.aol.com>

Original manuals in nice shape:

Hallicrafter HT 20 \$20

Galaxy V Mark 3 \$10

Galaxy GT550 \$10

Gonset Communicator II \$10

Eico 730 Free

Prices include shipping.

73 Randy

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: Jeffrey Herman <jeffreyh@hawaii.edu>

Subject: Globe Scout

Message-ID: <Pine.GS0.3.95q.970420194714.10328D-1000000@uhunix3>

Someone is selling a Globe Scout here for \$25. That rig is a bit before my time. Can someone describe? Is it xtal or VFO? 80-10m? How would you compare it to say, a DX-60?

73,

Jeff KH2PZ / KH6

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997

From: Larry Godek <AZCOT@gnn.com>

Subject: GR, RAK & Sierra

Message-ID: <199704202358.TAA14662@mail-e2b.gnn.com>

I wish to thank all on the list who helped with the GR and Boonton items I requested info and manuals for. Same thing for the offers on the RAK manual. I now have what I need for the RAK. The GR signal generator and Boonton Q meter books are on the way.

I have come across a Sierra Wave Analyzer model 121. It is complete and looks super. Don't see any indications on the meter when I tune across a frequency where a known local airport tweek is operating. Has IF gain and Audio gain controls along with the tuning and an osc. injection switch. Freq coverage is about 40 kc to 500 kc or so. Input jacks which would handle a set of banana jacks and headset or speaker jack as well. Naaddaaa comes out. Anyone have any info on one of these? I suspect that I'm way off on matching the input impedance so anything I tune across would not be hearable because of input losses. would the input be in the neighborhood of 600 ohms or 135 ohms. Other than carrier channel measurements like used in telco applications, where else would something this low a freq range be used?

This place is a super fine resource.

Larry Godek W00GH  
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAA, KN6TUP

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: "Edward J. Zeranski" <ejz@nosc.mil>

Subject: GRC-109 Info Needed

Message-ID: <2.2.32.19970421161021.00c7c22c@marlin.nosc.mil>

At 17:42 4/19/97 GMT, you wrote:

>Gang:

>Thanks to several Mil-BA types I have been able to locate a GRC-109 via  
>Fair Radio Sales. I forgot to ask condition of these units...anybody ever  
got a GRC-109 from Fair Radio and if so, what was the condition of the units?  
>Now, about the PP-2684, they will work on 75-260AC and 6 VDC. Has anyone  
>modified the power supply to work on 12 VDC?  
>73 rich K7SZ

I bought a Fair GRC-109 as back up to a "new in box from  
Tobyhanna" set that found its way home. At the time the whole receiver cost  
about the same as a spare 1L6! The Fair units work fine, have the screw down  
lids and Special Forces markings. A friend got me two 6V golf cart batteries  
which have enough "oomph" to run the 109 no sweat, charge 'em in series then  
load 'em in parallel.

Ed Zeranski : ejz@marlin.nosc.mil, work / ezeran@cris.com, home  
Wooden Boats, Tube Receivers, Rusty Old Trucks, The Good Stuff!  
This is a private opinion or statement and is nobody's fault but mine.  
No person, employer, or govt. should try to take credit for it!

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Pete McCollum 20-Apr-1997 1204 -0600 <mccollum@ssdevo.ENET.dec.com>  
Subject: GRC-109's from Fair  
Message-ID: <9704201804.AA00315@us3rmc.pa.dec.com>

Richard Arland wrote:

>I forgot to ask condition of these units...anybody ever got a GRC-109  
>from Fair Radio and if so, what was the conditon of the units? Also, were  
>these the 109 with the thubm screwww lids or the 109A with the clips on  
>the lids?

Hi Richard,  
I've bought several GRC-109-series boxes from Fair.

Last time I checked, Fair didn't have any A-series stuff anymore.  
I recommend the non-A stuff anyway: they have a much nicer-looking  
front panel, and are more carefully built. The non-A's are made  
by Admiral, and the A's are probably made by Oklahoma Aerotronics  
(whoever that is). The only real advantage of the A's is that they  
have a carrying handle built into the case.

All 3 xmtrs were in VG/EX condition (one looked unused except for scuff marks on the outside).

One R-1004 rcvr needed minor repair:

- Had a bad contact in the xtal socket, which prevented the VFO from working (there's a contact thats supposed to short out when the xtal is \*removed\* - mine didn't. I fixed it by jumpering a wire under the panel (this prevents it from working with a xtal).
- It was missing a couple of screws internally.

There is a common problem with many R-1004's: the tuning shaft 'binds' with each revolution. This is the cause: The tuning knob mounts on a short shaft in the front panel. This shaft connects to the tuning cap via a shaft-coupler. However, the coupler is a poor design, and the cap is often not perfectly aligned with the front panel's shaft, so the coupler is supposed to take up the slack. The R-1004 mentioned above had screws missing because someone had 'floated' the cap by loosening/removing screws. So, the cap would wobble as the knob was turned. Also, the original coupler looked like it been broken and repaired. I replaced it with a better one, but that didn't fix the binding problem. So, I shifted the position of the cap slightly so that it would line up with the shaft better, and tightened the screws on the shaft end of the cap, and left the far end 'floating' (the screws don't line up with the holes any more). This makes the tuning feel pretty good, and the cap doesn't wobble anymore.

Another R-1004 worked 100% as-is, and it had little or no problem with the tuning shaft binding.

An R-1004A was running full volume all the time (gain control had no effect). The cause was that the gain pot had been twisted hard enough that one contact shorted out against the chassis. This one also had the binding problem, but it's not too bad, so I left it alone.

One PP-2685 had a busted regulator tube.

I have a bunch of info on these sets that I will send you privately. There is an old version of the file in the BA archives (I need to send Jack the update!).

Pete

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: don merz <71333.144@CompuServe.COM>



Subject: HA-6, HA-2, Mics FS

Message-ID: <970420202617\_71333.144\_DHB31-3@CompuServe.COM>

Vintage Radio Gear FS

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com Trades and offers welcome!

Hallicrafters HA-6 and HA-2 transverters with matching  
Hallicrafters P-26 power supply, cables and manuals (HA-6  
manual is original, the others are copies). Some paint chips but  
these are excellent looking. Working as designed. No  
modifications. Rare and beautiful. \$350 or best offer. Sold  
only as a set.

Philco "500" transistor pocket radio model T5-124 in pink plastic.  
With original leather carrying case. No cracks or chips. Needs  
cleaned but looks excellent. Untested. \$39

1625 tubes. New-old-stock JAN boxed. \$2 each. Many available.

Kenwood R599 HF receiver with matching (internal) 2 meter  
converter and S-599 speaker. Some scratches but still good  
looking. Seems to work as designed but may need tweaking--it  
isn't as hot as I remember my other (long gone) 599. This is  
the original R599 with no letter suffix. \$175

Microphones

Astatic JT-30. A few marks on paint but nice. Good chrome. \$45

Astatic JT-30. Paint chipped. Good chrome. \$45

Astatic JT-30. Needs cleaned. Tag missing. Good chrome. \$40

Electro-voice 630 Hi-z mic. Needs cleaned. With original box  
and instructions. \$35

Electro-voice 605 dyanmix mic. Excellent. \$35

Shield (1950's Japanese) M105 big green and chrome bullet mic.  
Very good. \$25

Astatic "G" stand. Stand only. Chrome worn on PTT handle. Base  
paint scuffed. Modern 4pin mic connector on cord. \$9

WANTED: Information, instructions, manual or whatever on a MoReCo  
coil winding machine. The only thing it says on it is "MoReCo  
Inc., Council Bluffs, Ia., U.S.A." Any help appreciated.

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: John <johnmb@mindspring.com>

Subject: Halli Clock Covers reproduced?

Message-ID: <199704211207.IAA25430@brickbat9.mindspring.com>

I saw this in another group and thought I'd pass it on. I have no idea how they look but it may be worth looking into, for those of us bezel-impaired folks! Evidently there is enough interest, and he is making some units available

/John

(FROM:<wb9iog@revealed.net>)

> >> Some time ago in restoring a few HQ's I ran into the problem that some  
> >> of the production from hammarlund had clock covers that turned yellow  
> >> from UV's or were made of an inferior material (very thin), and looked  
> >> like hell. Later production runs from Hammarlund used injection molded  
> >> covers which were much superior. I made my own form and reproduced some  
> >> to upgrade what i had.  
> >> I had posted an inquiry re any interest in this and got two back. It's  
> >> really not worth my time unless I made a list and produced about a dozen  
> >> units at once.  
> >> Thought this would be a good use for this list, looking to add  
> >> interested people to my list, if it gets big enough will advise of  
> >> availability-thinking of \$10 each pp.  
> >> Any interest?

>

(contact: <wb9iog@revealed.net>)

-----  
Wanted: Rack cabinet for Globe King 500C  
Heath A8/A9 Audio Amp  
National NC-46 Rx.

johnmb@mindspring.com  
-----

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: "David Meier" <N4MW@msn.com>  
Subject: Hammarlund HX-50A on 160 meters  
Message-ID: <UPMAIL15.199704202257420155@msn.com>

I found an HX-50A with 160 meters installed! It appears to be a factory installation, except for the crystal, which has been replaced with another slightly different in frequency (11280 vs 11335 as required). The manual I have for the HX-50 does show the 160 meter circuitry (as an option). I would now like to obtain the modification instructions for adding 160 meters to complete my documentatiion set. Can someone help.

The other thing about the rig that has been added is a spotting switch. It also appears to be a standard mod using factory parts, but may have been done by the factory, judging from the odd location chosen for the spot pushbutton switch. It is just a switch, not a combination switch/level pot as in later HX-50A units.

I found the HX-50A at the Six Meter Amateur Radio Team hamfest in Goochland, VA. This affair consists of a dozen open trunks and about that many tables set up inside a building. You never know what will turn up. The same source also had a Hallicrafters "Ultra High Frequency" receiver (S46?) in good shape. I also saw a repainted S40. A few Vibroplex items also. A nice Saturday morning outing...

Dave N4MW

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: W4UOC@aol.com  
Subject: Heathkit AR-3 Manual/copy  
Message-ID: <970420150552\_-1469134294@emout05.mail.aol.com>

I have recently received a Heathkit AR-3 receiver and have it up and running but need to align it. I am looking for a copy of the manual for this receiver. This is the first receiver I had as a novice, then KN0PDI in Denison, IA back in 1956. I am matching it up with my DX-20 my first transmitter. Both of which I originally built from kits.

Tom Koch - W4UOC  
8170 Habersham Waters Road  
Dunwoody, GA 30350  
w4uoc@aol.com

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "Ray Allen, W2KBR" <raallen@erols.com>  
Subject: Help/Health/Welfare  
Message-ID: <335BF37E.49BC@erols.com>

To those Radio Friends up in the Dakota area who are faced with the natural disasters, and who probably can't read this, but others may know of their plight, we sent along an offer of help anyway we can. If ya know of some folks who are in need, let it be known, maybe we can do something to help....

Ray Allen, W2KBR/3  
8303 Grainfield Rd.  
Severn, MD, 21144-2331

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: "Shaun P. Merrigan" <merrigan@ee.ualberta.ca>  
Subject: High Quality Manuals: More titles  
Message-ID: <335AD623.E7ABD022@nyquist.ee.ualberta.ca>

Hello Everyone,

I have added a couple of more titles to my list of HQ manuals:

R390A Operator's manual TM 11-5820-358-10

R389 Manual TM 11-855/T0 31R1-2URR-161

Hammarlund SP-600J/JX Operator's manual  
Hammarlund HC-10 Converter manual  
Hammarlund HQ-180 manual  
Hammarlund HQ-180A manual  
Hammarlund HQ-145A manual

Hallicrafters SX-101A manual  
Hallicrafters SX-117 manual  
Hallicrafters SX-115 manual  
Hallicrafters HT-33B manual  
Hallicrafters HT-37 manual  
Hallicrafters SX-28 manual  
Hallicrafters HA-5 VFO manual  
Hallicrafters HA-1 Keyer manual

Schematics (laminated or plain) are also  
available for the above equipment.

The materials and processes I use make these  
the highest quality digital laser reprints available.

Please e-mail me for more information.

Thanks.

--

Shaun P. Merrigan  
Electrical Engineering Student  
University of Alberta  
Edmonton, Canada

If I wished to punish a province, I would have it governed by  
philosophers. Frederick II, the Great (1712-1786)

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: provero@connix.com  
Subject: HP-606 Output Meter Needed  
Message-ID: <199704202229.SAA05109@comet.connix.com>

Just picked up a bargain HP-606A that looks nice and works well in every respect except one -- the output meter, a 100 microamp, 2000 ohm meter, (scale in RMS volts) has a stuck/inop pointer. Sort of matches my old Hickok 292-X which also has an inop meter.

Soooo.... if you have an extra meter laying around, give me a shout.

P.J. "Josh" Rovero	home:	provero@connix.com
Meteorologist	radio:	KK1D
Oceanographer	work:	rovero@sonalysts.com
Curmudgeon-at-Large	web:	<a href="http://www.connix.com/~provero/">http://www.connix.com/~provero/</a>

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Jeffrey Herman <jeffreyh@hawaii.edu>  
Subject: HT-32A + SX-101  
Message-ID: <Pine.GS0.3.95q.970420190956.10328A-100000@uhunix3>

I'm posting this for Frank KH6CD0 (drfyoung@dps.net) so please please please write directly to him and not me.

He has an HT-32A transmitter, cosmetically a 5+, that hasn't been fired up at least 10 years. He also has an SX-101 rcvr that's about a 3 cosmetically, and again, hasn't been fired up in at least a decade (this rcvr lived on the windward side of the island and he says the salt air was not helpful to its appearance). He would like \$100 for \*both\* - not each, but both!!

Now, we're in Hawaii, and you folks aren't, so shipping will be \*expensive\*. It would probably be cheaper for you to fly over here and take these rigs back with you as luggage. I'll buy you a beer, too.

I'm giving this list first crack at these items; if you don't want both then I'm sure he'll split them up at \$50 each.

Remember, don't it the reply-key; rather, send your email to drfyoung@dps.net.

73, Jeff KH2PZ / KH6

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Keith Heitzmann <kk5fe@communique.net>  
Subject: I-77B tube checker info  
Message-ID: <2.2.16.19970421114749.1b07345e@mail.communique.net>

Hi all,  
Well I got home from Belton just a tad heavy than when I left. Anyway I came back with an almost mint I-77B tube checker and was wondering if anyone has a later tube info guide they wouldn't mind copying for me. The one that I have is dated 30 Oct. 46. Is there anything later than this?  
The usual copy and postage fee's will be reimbursed.  
Thanks in advance,  
Keith KK5FE

-----  
-----Keeper of all that I buy-----  
-----AMI# 837-----  
-----Visit my Vintage Radio Web Site-----  
-----<http://www.communique.net/~kk5fe>-----  
-----

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: KB9VU@aol.com  
Subject: Info and FS  
Message-ID: <970421042300\_452391338@emout14.mail.aol.com>

Anyone have the TV/7 settings for the 6550 tube? Thanks

FS:

Heathkit SB-200. Very good with no marks on front panel. Case shows a scratch on the back and normal wear on the front rings from the chassis sliding in and out. Original manual includee. Full output on the US made tubes.

\$325 plus shipping from 63033

Tektronix 545A O'Scope. Working unit with original manual in above average cosmetic shape. No probes. CA plugin included. I have one already and don't need this one. Too big to ship. \$75 and pick up only in or near St. Louis.

Thanks es 73 de kb9vu@aol.com  
Mike Stover

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Guido ROELS <on6rl@tornado.be>  
Subject: Info wanted  
Message-ID: <199704202119.WAA21369@tornado.be>

Hello everyone, I have a few questions:

- To complete the restoring job on a RCA AR88 I need a replacement for the broken plexi glass of the front panel. It is a AR88 model with S-meter. Anyone with a hint ???
- Is there somebody who knows how to remove the tuning knob (abstimmung) from a Rohde @ Schwarz EK07D receiver. I do have bad experiences working on such gear reduction systems without the proper knowledge. As nothing is mentioned in the manual any hint will be welcome.
- Is there still another clever guy who can tell me what a Marconi accessorie TM 5570 exactly is? Regarding the part number it must be something in the range of the attenuator pads or matching units, but can't find it in my old catalogs.

All the best de Guido, ON6RL.

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: J P Taillebois <jpt1@idirect.com>  
Subject: INFO- HAMMARLUND HQ-215 RCVR  
Message-ID: <199704211949.PAA01838@relief.idirect.com>

Hi everyone,

I have the chance of acquiring this rcvr which is A solid state BA.  
Does anyone have any info on a mint cdx and what might be the price of such a radio.

tnx in advance and 73  
Jean Paul Taillebois 996 Greenlane court, Oshawa, Ontario, Canada L1K-2C6  
e.mail jpt1@idirect.com  
packet: ve3jpt@ve3hqr  
voice: 905-723-1811  
fax/data: 905 723-9156  
Collector: Hallicrafters, Central-Electronic, Gonset, Military BA, antique

radio memorabilia.

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>  
Subject: MAARC Report  
Message-ID: <Pine.A32.3.91.970420172026.27668A-100000@ppdu.nrl.navy.mil>

Gang,

I went to the monthly Mid-Atlantic Antique Radio Club meeting in Burtonsville, MD. Ludwell Sibley was there selling copies of "Tube Lore" and he was passing out Supplement 2 to the book. The supplement can be acquired by writing directly to Ludwell Sibley.

The only BA material of interest for boxes of Vacuum Tubes (saw some 4032's in one box) and two SCR-211/BC-221 frequency meters with manual. During the show-and-tell a BC-645 IFF radio was discussed.

That's all for now, Paul Bernhardt, KF4FOR

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: dfrancis@iex.net (Dexter Francis)  
Subject: Mil gear available (8 pcs.)  
Message-ID: <v01520d08af815c7b651c@[207.0.57.74]>

Greetings all-

I have the opportunity to save the following pieces from the scrap heap; If any of them are of interest to anyone, please get back to me ASAP.

TU-8B Tuning unit

VS-25 Dynamotor (6 & 12 Volts in, 500V 160 ma. out)

TS-186B/UP Test Set

PE-73C Dynamotor - 28V in 1 kV out. (GE Model D)

RT-18/ARC-1

RT-7/APN-2

R-19A/TRC-1

TS-538A/U Radar Test Set (1630 to 1730 Mc)



I'll provide details on request.

-df

```
* CWest Tube Sales - P.O. Box 22443 SLC, UT 84122 *
* (801) 363-TUBE voice/fax, E-mail: tubes@usa.net *
* For a current listing of New and Used Tubes try *
* http://www.usa.net/~dfrancis/CWest_Tube_Sales.html *
```

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: provero@connix.com  
Subject: MIT Flea Mini-report  
Message-ID: <199704202229.SAA05122@comet.connix.com>

Mini report on the MIT Flea (Cambridge MA) for April 20, 1997. Lots of sellers, lots of buyers, absolutely beautiful weather.

This 'fest repeats on the third Sunday of each month into the fall.

Seen on the street, prices as I remember them (Alzheimer alert!):

- Lots of computer stuff.
- Lots of antique "consumer" non-shortwave radios.
- Lots of Heathkit SB-303s, some 401s and single banders.
- Nice NC-173 (\$150), NC-183+matching speaker (\$200) at same table.
- Beautiful Hickok 600 (?) Mut-Cond tube tester (\$150)
- Several HQ-129's in nice shape.
- Very nice HQ-160, (\$130).
- Several Johnson transmitters/vfos
- NCX-3 or 5

Snagged a nice HP-606A for \$25, a 10-pack of 387 bulbs for \$1, plus some tubes/diodes/caps, etc for the boatanchors in the shack. Couldn't find any twinax connectors/adapters of any kind, except for a dual bulkhead connector (female on both sides, just what I \*don't\* need).

P.J. "Josh" Rovero	home:	provero@connix.com
Meteorologist	radio:	KK1D
Oceanographer	work:	rovero@sonalysts.com
Curmudgeon-at-Large	web:	<a href="http://www.connix.com/~provero/">http://www.connix.com/~provero/</a>

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: bdhall@ghg.net (Benjamin D. Hall)  
Subject: more R-390A funzies!  
Message-ID: <3.0.1.32.199704211121514.006b7bc4@mailman.ghgcorp.com>

Greetings y'all...

Got back from vacation yesterday, and felt very ill so I took today off. While I was gone, my NOS R-390A meters from Rick Mish arrived. They are indeed NOS, and look like they just came from the factory. Now, some might argue that \$80 is too much for a pair of these meters - but when I consider the fact that I'll probably own this radio until I myself am recycled - \$80 is nothing...

In they went, and they work nice. But, I've noticed like others have that even the Mexican 100 kW AM stations only drive the Carrier meter up to 40 dB. Hhhmmnn. Will have to try that again tonight. Seems strange as my R-725 Carrier meter is pegged by the 100 kW Mexican AM stations. Will look more into that tonight...

Did a couple of other things: I'm sure y'all remember the thread on what to replace the 3TF7 ballast tube with that went on a couple of months ago? Well, I tried a solid state regulator, a 12B4A filament, but didn't have the 12BA6's to try the "jumper the ballast" method. Well, the came about a month ago and I finally got them in.

Bottom line: They work well. To test them out, I tuned to WWV in the 1 KC bandwidth position, kicked on the BFO and adjusted so that I got a constant pitch from the VFO. In my mind, if either tube falters the BFO pitch would change, plus the ticking would come out of the 1 KC filter passband. So, I dropped voltage to it with the variac and it took a drop of almost 40 VAC to change the BFO note pitch. With the ballast tube and 6BA6's, she would tolerate a 60 VAC drop before the note would change. So, now the BFO and PTO aren't as stable, but does your house/shack have 40 VAC voltage swings? If not, I think you'll be very pleased with the 12BA6 replacements...

Well, it is time for my noon cough and headache medication, <hack> <hack> <hack>...

Thanks and 73,  
Ben  
---

Benjamin D. Hall, junque collector extraordinaire.  
Located in Houston, Texas.  
e-mail: BDHall@ghg.net  
On the web at <http://www.ghgcorp.com/bdhall>

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>  
Subject: Re: more R-390A funzies!  
Message-ID: <335BA988.21DB67AE@mail.ptdprolog.net>

Ben and all...

I'm still waiting for my meters from Rick - probably this week. It's interesting to note that Ben's R-725 reads higher than his R390A with the 'new' meters. My R-725 reads around 20db higher than my Collins R390A. I was going to plug the new meters in the R390A to see what I could see. Apparently I don't need to bother - wonder if it's due to the different IF's? They're both aligned just about as well as they can be.

I substituted the 12BA6's in the R-725 several months ago. It's as rock-steady as the solid-state replacement for the 3TF7 in the R390A. BTW, I built the regulator into the power supply of the R390A and fed it to the IF via an unused wire on the plug. Don't know if that was a good move or not - guess it'll be bad if I ever lunch the PS. Thinking of reverse engineering it to the 12BA6 configuration.

73's

Mort D.

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: David Medley <davemed@worldnet.att.net>  
Subject: More R390A AGC problems  
Message-ID: <3.0.32.19970420200623.00728a04@postoffice.worldnet.att.net>

I have an R390A by EAC with an AGC problem. This involves severe overloading and distortion on strong signals. I seem to have seen discussion on this subject before but I cannot find any references. Any help/suggestions would be appreciated  
Dave

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Laird\_Tom\_N@hpmail1.90.deere.com  
Subject: More R390A AGC problems  
Message-ID: <H00005a004e387a2@MHS>

Dave,

AGC problems seem to run rampant with R-390A's. Here is a fluke I found with my unit. It took 8 hours to track this one down and I had help from a friend. My unit has trimmer capacitors on top of the mechanical filters (some don't). The previous owner tightened the can covering the filters too tight with the single nut on top of the can, this bent the cover down and shorted out the capacitor under the can. It just happened to be connected to the AGC circuit.

Tom Laird WC9M Moline, IL  
TL39597@deere.com

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
Subject: Re: Navy Radio Questions  
Message-ID: <54647.owen@piper.eeel.nist.gov>

In message Sat, 19 Apr 1997 08:24:33 GMT, Ho4bart@aol.com writes:

>  
> the RBM also included the 0.2-2 MHz receiver.  
> The RBM hf receiver and the RBS have the  
> same circuit but the RBS has a large external ACPS /  
> audio power amp and a special ship mounting system  
> altho that does not appear in any actual photos i have seen.  
> Also the RBS knobs have radium letters ( "B", "T" )  
> on them to show up in the dark.  
>

Are you sure? Of course you are but bear with me. I had an RBM (at least so marked) for quite a few years. Sold it in 1986 so I have to go from memory. Mine didn't have .2-2 Mhz it started at 2 Mhz. It also had the PS/AF amps in a separate case and had the radium letters. This sounds like the RBS that you describe. Could mine have had the incorrect tag installed sometime in it's life?

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Ed Tanton <n4xy@bellsouth.net>  
Subject: Re: Navy Radio Questions  
Message-ID: <3.0.1.32.19970421152552.009b5df0@mail.atl.bellsouth.net>

///snip

>In message Sat, 19 Apr 1997 08:24:33 GMT, Ho4bart@aol.com writes:

>>  
>> the RBM also included the 0.2-2 MHz receiver.  
>> The RBM hf receiver and the RBS have the

```
///snip
```

My first receiver as a Novice was a Navy RBS II... exactly as described above!!!

72/73

Ed Tanton    N4XY                      EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA   30068-3466          TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663	G-QRP #6779	OK-QRP #172	QRP-L #758	
AdvRC #140	NORCAL #1779		NCDXF	SEDXC

Life Member:           ARRL                   AMSAT                   INDEXA                   QCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% ORP: 95-100% (Mood swings!)

"Think you can, think you can't: either way you're right!" Henry Ford

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: Navy Radio Questions  
Message-ID: <19970421192702.AAA22611@LOCALNAME>

At 07:14 PM 4/21/97 +0000, you wrote:

>Are you sure? Of course you are but bear with me. I had an RBM (at least so  
>marked) for quite a few years. Sold it in 1986 so I have to go from memory.  
>Mine didn't have .2-2 Mhz it started at 2 Mhz. It also had the PS/AF amps in  
>a seperate case and had the radium letters. This sounds like the RBS that  
>you describe. Could mine have had the incorrect tag installed sometime in  
>it's life?  
>

It's been a LONG time since I used one, but there were TWO models of the RBM! I had them both! One covers 200-2000 Khz. It was one of the best BCB DXing and 160 meter receivers I ever used for what's in it! The other one covered 2-20.5 Mhz. It looks identical except for the dial

calibration externally. I remember it having a very smooth dial mechanism, and it had pretty decent sensitivity. It wasn't the best, but it worked well. The circuitry was very straightforward and not tricky.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*\*

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997

From: William Donzelli <william@ans.net>

Subject: Re: Navy Radio Questions

Message-ID: <199704211939.AA29810@interlock.ans.net>

> It's been a LONG time since I used one, but there were TWO models of the RBM!  
> I had them both! One covers 200-2000 Khz. It was one of the best BCB DXing  
> and 160 meter receivers I ever used for what's in it!  
> The other one covered 2-20.5 Mhz. It looks identical except for the dial  
> calibration externally. I remember it having a very smooth dial mechanism,  
> and it had pretty decent sensitivity. It wasn't the best, but it worked  
> well. The circuitry was very straightforward and not tricky.

RBM refers to the set of receivers, Navy types 46076 (0.2-2 MHz) and  
46077 (2-20 MHz).

William Donzelli

william@ans.net

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997

From: Tom Norris <badger@telalink.net>

Subject: Previous discussion on RS-1, GRC-109 etc....

Message-ID: <3.0.1.32.19970420165109.0072c41c@telalink.net>

During to RS-6 discussion a while back I completely forgot the link  
I had on the Mil List on the RS-1 - there being some discussion of that  
set as well. Schematics are available ( Listed under AN/GRC-109).  
Also listed but for some reason never made it to the index is the  
ever-disputed RS-6 set. Follow the link to RS-1, and the next listing  
is some info and a link to a site with RS-1 and RS-6 info.

BTW, my Mil List page has past 10,000 hits since October of 96.  
Thanks for using it, and thanks for putting up with all those tacky  
counters on each page - darned ISP, hard as heck to get actual  
monthly web stats. And remember IF YOU DONT SEE IT ON THERE,  
I can add gear for which you have info .....

-----  
Please visit The Mil List for info on military communications gear:

[HTTP://telalink.net/~badger/millist/mi.html](http://telalink.net/~badger/millist/mi.html)

This is a non-comercial endeavor strictly for providing  
info for those who have a need for it - and intertainment  
for those who dont....

ANY and ALL Contributions Welcome.

\*\*\*\*\*

Tom Norris KA4RKT

badger@telalink.net                      Nashville, Tennessee, USA

thermionic@techie.com

-----  
\*\*\*\*\*

From boatanchors@sco.theporch.com   Mon Apr 21 11:16:18 1997

From: "Cal J. Eustaquio" <ceustaqu@polymail.cpunix.calpoly.edu>

Subject: Putting fun back into BA's

Message-ID: <Pine.A32.3.91.970420211912.36613A-100000@violin.aix.calpoly.edu>

Hi gang:

Last week, before going to my tank unit, I spent the previous night  
putting together a Premiere POR-8 cabinet in charcoal grey wrinkle for my  
GPR-90. So, in an attempt to try and find that "rare cabinet", I elected  
to put one together. I have to admit, I still get a kick out of  
assembling something even as rudimentary as a cabinet. The unit came in  
seven parts plus screws. I'm saving the best for last (that is, putting  
the rx into the cabinet). I'm going to do the alignment and check out the  
tubes. Then, cleanup of the cabinet is in order. So phase I is currently  
in phase. Of course, all of this will be photographed and documented.

The next phase will be putting together a BA style speaker from scratch  
using a junked TCS xmtr case. Once I fill up all the holes and take out  
the dents, it will be wrinkle coat time followed by some color that  
matches the cabinet and front panel of the GPR.

The last phase will be hooking up an HC-10 I have lying around, putting  
the speaker and an excellent Ranger II together as a system. Not much has  
been covered on this subject (interconnecting TR switches, monitors, and

external xtal calibrators [for rx's without one], vintage keys, etc.) so that will be covered. After that, a completed photo of the system. I'm somewhat excited about all this stuff and it sure beats just buying a piece of gear and just hooking it up. One has to work at getting this station together! Thanks and 73. Cal, N6KYR.

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "D. Ragsdale" <doragsda@polymail.cpunix.calpoly.edu>  
Subject: R-388 , Unbuilt Heathkit Available  
Message-ID: <199704211644.JAA26971@monet.artisan.calpoly.edu>

A local guy called me the other night because he had heard I like old radios. I talked to him for about an hour, and he sounded like a straightforward enough fella, but I don't know him from a hole in the ground, so you're on your own in that regard. I wasn't interested in anything he had, but offered to post it here for him:

an R-388/URR - sounds like he'd be interested in trading this for a computer he could get on the 'net with.

an unbuilt heathkit, sounds like one of those experimeter boards with the p.s. built in, said it's in the original box.

a couple of spectrum analyzers.

His name is: Michael Rogers; phone is (805) 481-8025 (Arroyo Grande, California).

Good luck.

Dave

David Ragsdale, R.E.H.S. Risk Management  
California Polytechnic State University, San Luis Obispo, CA  
du651@oasis.calpoly.edu or doragsda@cymbal.aix.calpoly.edu

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Paul Nelson <drhydro@ames.net>  
Subject: R-388 Mania  
Message-ID: <v03102803af803eb275e9@[206.29.126.176]>

Waaaal... I think I've just died and gone to heaven. I have two R-388's- one acquired several years ago in pretty nice shape, one fairly recently, working but showing the effects of storage in a very humid place... and its front panel needing complete redoing.



I wuz talking with a friend here in Ames, a retired EE prof at ISU, and happened to mention these two... he said that he had a couple of NEW front panels for the R-388, and did I want 'em? Well... talk about a dog on a junebug.... went over to his place today, and he pulled out a BLACK WRINKLE and an R-390 GREY front panel for the R-388 (actually, the R-388A; they both have the 1kc/3kc/6kc legend to the right of the BFO pitch knob). Said he'd found 'em years ago in a BAIT SHOP in Cedar Rapids, in a large pile of R-388 front panels printed in every language under the sun... Swedish, Hebrew, Japanese, French, Arabic, you name it. Complete with the red pointer.

While we were gabbing... he pulled out manuals for all sorts of unusual Collins stuff.. and in the back of an R-388 manual there were two ORIGINAL Collins dial overlay decals! I exclaimed in surprise... he said, "Oh.. here, take a look at these..." and pulled out dial overlays and circular plastic dials for 75A-4, A3, KWM series, and more...

the guy has two SRT-14's in his basement, both working... other neat stuff...

He gave me both front panels... and later today, stopped by to drop off several correct skirted knobs to replace some that weren't right on one of my rcvrs.

All free. Sharp guy. He has me in his debt for a LONG time!

Paul Nelson W5GNF  
Ames, Iowa

"When I go, I want to go quietly, in my sleep, like my grandfather- not screaming, like his passengers."

(DrHydro@ames.net)

"More hay, Trigger?"

Cessna 140 N77149

"No thanks, Roy, I'm stuffed."

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: David Medley <davemed@worldnet.att.net>

Subject: R390A S meter sensitivity

Message-ID: <3.0.32.19970420201921.00728a04@postoffice.worldnet.att.net>

While browsing through my file of Hollow State News I found a discussion re replacement tubes for the R390A receivers. The first suggested replacing the 6DC6 RF amp with a 5749 (special 6BA6). This was supposed to make a big difference in S meter sensitivity. I tried it in the radio I have just completed building from assorted parts and found that actually the swap made things worse. (The 5749 I tried was a new one). Next was some discussion re the respective merits of the 5814A and the 12AT7. So I

replaced V506 with a 12AT7 and I was surprised at the results. The signal meter will now read almost full scale on very strong signals and appears much more lively whereas the best reading I had noted before was around 40db. This seemed to me to be a worthwhile change so I have left the 12AT7 in place. It appears that the AGC action is also better but this is only by ear and observation of the meter. Will try and make some more precise measurements later.

Dave

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Morris Odell <morriso@vifp.monash.edu.au>  
Subject: Re: R390A S meter sensitivity  
Message-ID: <335AE7D6.24FB@vifp.monash.edu.au>

David Medley wrote:

> replacement tubes for the R390A receivers. The first suggested replacing  
> the 6DC6 RF amp with a 5749 (special 6BA6). This was supposed to make a big  
> difference in S meter sensitivity. I tried it in the radio I have just  
> completed building from assorted parts and found that actually the swap  
> made things worse.

Replacements of this type give theoretical gains in performance when a "hotter" tube is used, but only if the operating conditions are adjusted accordingly. A classic example is the use of a 6GM6 (7 pin version of 6EH7) in the R390A. This does improve sensitivity (if you really want to) but only if the screen and cathode resistors are changed appropriately - not a trivial task. I have found this to be true in other receivers as well as the '390A. In my receiver I have left the mod in place but only because it's such a difficult one to reverse. It hasn't affected the rx very much - added sensitivity is not much of a bonus in such a hot receiver.

> discussion re the respective merits of the 5814A and the 12AT7. So I  
> replaced V506 with a 12AT7

My receiver had 12AU7's in it when I got it and replacing them with 5814's made no obvious difference. I'll try a 12AT7 when I have the time and see how it goes.

73

Morris VK3DOC  
morriso@vifp.monash.edu.au

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: wallace@world.std.com (Andy Wallace)  
Subject: RBB-1 RCA 0.5-4 Mc rx -- manual or schematic, please!  
Message-ID: <335a9fae.33746524@world.std.com>

Hi, All!

Went to the Nashua NH antique radio flea with Steve Byan on Saturday. We both had a great time! Also saw John Shriver, Rhyne Killian, and=20 Chris Sieg. As we were leaving we saw Chris carrying out a \$25 antique black-and-white TV, but I'm sure he wasn't ashamed. :-) For all I know, it was the rare panadapter for the R-389...

Rhyne had the bulk of the boatanchors, with an NC-173, and a NC-183 plus speaker. Also saw a ratty SX-43, an NC-57 (scored by Chris), and a couple of S-38s.=20

I found a 1U5 for my Zenith Transoceanic and THANKS GUYS for the help last year, that solved the microphonics problem!

One kind BAer sent me an RBB manual free of charge last year. I do appreciate it and I have gotten this far in troubleshooting my grey RBB-1, but I'm afraid I need some assistance now. The manual he sent is for the RBB-5 and RBB-6, and is Navships 91469. Steve and I were trying to see why the oscillator doesn't oscillate, and checked some socket resistances at V103. Looks like I might have to pull the banswitch and unship that module from the RF deck. I don't want to do that without having an idea of what to see -- and unfortunately the manual I have is missing the schematic. I checked the linux mil equipment list on the Web and did not see any RBx variations there. Is the RBB schematic online somewhere? I also wonder if the circuit may have changed since my RBB-1 and thus the resistance differences...

If someone could email me a scan of the schematic, or even the portion involved, it would be much appreciated! Or if you can mail me a paper copy, that would be super also. Will be happy to cover costs.=20

--Andy  
wallace@world.std.com  
---  
Curly: Oh....short wave?  
Moe: No! Poimanent.=20  
<BONK!>  
(THEY STOOGE TO CONGA, 1943)

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997

From: Glenn Finerman <GFINER@nms.com>  
Subject: RF grounding  
Message-ID: <s35b4a9d.042@nms.com>

I read with with interest Bobbi's post about RF grounding because I've almost completed the RF grounding system in my new shack. I used 3/4 inch copper pipe mounted to the back of the equipment benches. Since the shack is on the ground floor (the best place for grounding!) I'm using a very heavy braid strap to connect the copper pipe bus to the outside ground rods through a hole in the wall.

Bobbi said

re> (And don't use braid; it is FB for making sure the various parts of  
>your Toyochevoldsmobuick are electrically connected but lousy for RF  
>and even worse for lightning)

I always thought braid was good for RF grounding? It's been suggested many times to use the outer copper braid from RG-8 coax for grounding radios. Whats the story Bobbi?

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Walter Dail <dail@CEBAF.GOV>  
Subject: RF grounding  
Message-ID: <1.5.4.32.19970421152736.00bda064@jlab.org>

Due to the "skin effect" of copper and other metals, braid is always the best choice for grounds. Glen is right on this subject!

Walter Dail - KT4JA

>I read with with interest Bobbi's post about RF grounding because I've  
>almost completed the RF grounding system in my new shack. I used 3/4  
>inch copper pipe mounted to the back of the equipment benches. Since  
>the shack is on the ground floor (the best place for grounding!) I'm using  
>a very heavy braid strap to connect the copper pipe bus to the outside  
>ground rods through a hole in the wall.

>

>Bobbi said

>

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>

>I always thought braid was good for RF grounding? It's been suggested  
>many times to use the outer copper braid from RG-8 coax for grounding  
>radios. Whats the story Bobbi?

>  
>73.....Glenn N2BJG gfiner@nms.com  
>  
>

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: "Rhett T. George" <rtg@ee.duke.edu>  
Subject: RF grounding  
Message-ID: <199704211601.MAA16783@washington.ee.duke.edu>

- Greetings -

I appreciate the various views of grounding which sprang up over the weekend. Consider skin effect first. The current is forced to the outside of the conductor at high frequencies because the filaments of current that might flow to-and-fro in the middle set up magnetic fields around themselves which, thanks to the high frequency, set up eddy currents in the copper. These currents oppose the original filamentary current. This leads to virtually no current in the center of the conductor; it is all at the outside, the surface, the skin. If we want more skin, we must use conductors coated with a spacer so that the magnetic flux lines have somewhere to exist. This leads to Litz wire. If we just twist or braid together many small wires - no spacing and no insulation from one another, what we get is a large, rougher surfaced, conductor where the current filaments inside are still trying to set up flux lines and set up eddy currents as well. One might as well use the copper tube or copper pipe. The stuff in the middle of a solid conductor will not do you much good.

To be much briefer and to-the-point, I say \*listen to Bobbi\*.

73 Rhett - KE4HIH

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: RF grounding  
Message-ID: <19970421163808.AAA10922@LOCALNAME>

At 03:09 PM 4/21/97 +0000, you wrote:

>Bobbi said

>  
>re> (And don't use braid; it is FB for making sure the various parts of  
>>your Toyochevoldsmobuick are electrically connected but lousy for RF  
>>and even worse for lightning)  
>  
>I always thought braid was good for RF grounding? It's been suggested  
>many times to use the outer copper braid from RG-8 coax for grounding  
>radios. Whats the story Bobbi?  
>  
>73.....Glenn N2BJG gfiner@nms.com  
>  
>I donno what Bobbi said, but in the Marine electronics industry, the BEST  
thing I have ever found is 3" wide copper flashing! Flat strip is not as  
good as round tubing, according to Terman, but it is much more convenient  
and works!

I have had lousy results from the old "RG-8/U braid" trick. The problem of  
keeping cables cool at RF, has gotten worse since all the "digital/computer  
control" that has infiltrated the radio industry in general! We have kept  
'control' cable runs cool by running a strip of flashing on the bulkhead,  
connected to the ground system, wherever the control cable runs. The cable  
bundle is then laid down the center of the flashing run, using shielded  
cable if possible. This generally 'cools' things off in stubborn cases.

Also bear in mind that copper tubing is as good as a solid copper rod at RF  
frequencies. If I used tubing, I would stick to the largest size I could  
handle conveniently, like 3/4" minimum or 1" or larger. The difficulty in  
negotiating  
"bends" makes the flashing much easier to deal with however!

In my personal "shack", I have a strip fastened to the rear of the operating  
table  
thru the wall to the "ground" system outside. The "system" consists of two  
8' lengths of 3/4" copper tubing with tabs of flashing pre-soldered to them.  
After they were driven, ( about 10-12' apart) they were interconnected with  
the same flashing, pop  
riveted to the "tabs" on the ground tubes and the tab coming from the shack.  
Afterwards securely soldered. (Don't try and drive the tubes and THEN  
solder the tabs on them! You'll never get them hot enough to get the solder  
to properly bond!)

I have had VERY little trouble with RF getting into things with my tube  
gear. I use an end fed 125' wire type antenna with the end of the antenna  
coming right into the shack. The antenna (where it comes out of the antenna  
tuner) has VERY HIGH RF voltage on it, especially when I'm running the KW  
amplifier! The only thing that gets screwed up, is the modem in my  
computer. I can't use it while I'm running high power!

I have never been in "broadcast" work, but hung around broadcast stations. If you have ever tried to operate on HF near a broadcast station, you know how the transmitter gets into everything! I have noticed they make extensive use of grounding straps (usually flashing) between pieces of gear, outlets, metal boxes, etc.

73.

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebj@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes\*\*

\*\*Butternut HF2V antenna, G-R test gear.....\*\*

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997

From: bill@skeeter.frco.com (William Hawkins)

Subject: Re: RF grounding

Message-ID: <9704211647.AA27963@skeeter.bvc.frco.com>

The only thing that requires braid is a flexible connection. Otherwise, solid is better and cheaper.

Regards,

Bill Hawkins

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997

From: launerb@crl.com (William H. Launer)

Subject: Re: RF grounding

Message-ID: <v01530500af81522292e1@[192.0.2.1]>

I don't have access to the specs anymore, but in the aerospace world whenever rf bonding was required, we used flat sheets between the unit to be bonded and structure. There are formulas to determine the length/width ratio. The important thing is to keep the length (between the unit and structural ground) as short as possible, with plenty of surface area (as wide as possible) to keep inductance low. If rf bonding wasn't important, then braid jumpers could be used for safety grounds.

73, Bill wb0cld

Bill Launer

St. Charles, MO

launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279            qrp arco #3551  
Grid Square EM48RT

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Glenn Finerman <GFINER@nms.com>  
Subject: RE: RF grounding  
Message-ID: <s35b7891.085@nms.com>

Well, ya learn something new every day!. Based on the comments I've read, looks like I'll be keeping the 3/4 copper pipe in place, BUT I'll be replacing the tinned braid that connects the copper pipe buss to the outside ground system with copper strap. I have an L shaped bench setup in the shack and the copper pipes at the back of each bench are now connected with the same braid. Will also replace that with copper strap or pipe (if physically possible). I realized (before I posted) that the individual strands of wire in the braid will oxidize with time and act as separate conductors. Thats why I sprayed all the braid with De-oxit before installing it. Oh well!!, I've always had the attitude, do it once, do it right!!, so on to the copper strap. Just one big question..... WHERE THE HECK DO I GET THE STUFF!! ....Maybe Home Depot?? don't remember seeing it there....

Thanks...

73.....Glenn N2BJG        gfiner@nms.com

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Dick Flanagan <dick@merlin.libelle.com>  
Subject: RE: RF grounding  
Message-ID: <v03102819af81641407eb@[207.33.105.223]>

>once, do it right!!, so on to the copper strap. Just one big question.....  
>WHERE THE HECK DO I GET THE STUFF!!

AES sells it. Look in their price list under Polyphaser. It is expensive, though. You might want to look at copper flashing from your local contractor supply depot as a possible alternative. It will probably be a little thicker and more difficult to work with, but the price should be a lot lower.

73, Dick



--

Dick Flanagan W6OLD CFII Minden, Nevada  
Visit <http://wadg.greatbasin.net/siera/>

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
Subject: RE: RF grounding  
Message-ID: <9704211845.AA09456@netman.ENS.TEK.COM>

Hi Gang,

If you check out the Polyphaser site on the world wide web you can learn more than you ever wanted to know about grounding, especially where lightning protection is involved. I got them to send me there literature and catolog. More geared to commercial transmitting and receiving sites but still what every ham and swl'er should know, atleast a little about. There site is:

<http://www/polyphaser.com>

Terry  
KI7M

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Tom Norris <badger@telalink.net>  
Subject: RF grounding and lightning protection  
Message-ID: <3.0.1.32.19970421105450.0076ca04@telalink.net>

Glen sez:

>  
>re> (And don't use braid; it is FB for making sure the various parts of  
>>your Toyochevoldsmobuick are electrically connected but lousy for RF  
>>and even worse for lightning)  
>  
>I always thought braid was good for RF grounding? It's been suggested  
>many times to use the outer copper braid from RG-8 coax for grounding  
>radios. Whats the story Bobbi?  
>

Think of each individual strand on wire in the braid as an individual conductor,  
as they will become because of the corrosion caused just by its exposure to

air, and worse if buried. Visualize each strand as an individual inductor -- what happens to inductance if put in parallel? Right, a lot of inductance compared to a single large conductor or a large flat copper strip.

An RF ground should be the shortest, least inductive point to ground. Putting a piece of braid to ground is like putting a choke between your equipment and ground. Might be the short path for DC, but is anything but for AC.

Gotta Z-meter? Compare the impedance of a 10' piece of braid that has been outdoors for a couple years to a 10' piece of strap or large wire.

How do I know? Been doing grounding for broadcast and two-way for almost 20 years now. Have seen demonstrations on the way lightning treats braid versus flat strip or large single strand wire. So even for lightning protection, braid is not the best bet. With lightning, the EMP pulse can "ring" a bit more in a large inductance, and cause much more damage than otherwise. I know we were talking about RF, but the same principles apply, but at a lower voltage. Mainly, the impedance of a solid copper strap or a single strand #4 or larger wire is usually much less at a given frequency than a same-length piece of braid of any width, especially if that braid has been exposed to the weather.

Since this is lightning protection, presenting a good low impedance to the lightning to ground is also important. The more conductor in contact with ground the better -- a good method would be a ground rod at each corner of your shack, all connected to each other with 2" copper strap or #4 or so bare copper wire. For lower ground resistance, you can extend radials out from each ground rod. Bond this to the common entrance ground as well. On some of the radio sites I have done in the past, I also add some sort of transient surge suppressor to all the wiring going into the building = a decent AC unit on the power entrance, phone line protectors, and coax protectors. Polyphaser makes a line of protectors that do a darned good job in all those areas. (don't work for them, etc.) The main thing in lightning grounding is that the whole shack/building be at the same potential, that is all the grounds are at a single point, and there is no voltage differences between ground systems - that way any surges, be they AC or lightning or whatever will go to ground through the ground rather than to the "best" ground via some piece of equipment. I have seen lightning blast conduit, outlet boxes, and switches off the wall and across the room on its way out to a good ground on the other side of a building. They just happened to be the best route to the ground. Imagine the new Spitzensparken Honkingboat-anchor that you just spent the past six months restoring being in the same position? A good ground might just prevent that. And those surge suppressors might help keep the contacts on that expensive vacuum TR

relay from welding together if lightning strikes down the street and you had forgotten to disconnect the antenna.

Err... back to the braid --

Braid is much better than no ground at all if that is all you have, and is not bad if it works for you. Just copper strap of large single-strand is a bit better from an overall ( lightning and RF ) standpoint.

Tom Norris KA4RKT  
Nashville Tennessee

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "R. Eric Sluder" <sludere@gte.net>  
Subject: re: RF grounding and lightning protection  
Message-ID: <335BE024.4AD3@gte.net>

If you walk into any modern telephone office you'll find stranded copper wire for interior ground runs back to the main station ground bar (MSGb) and from there SOLID copper to the outside ground ring - the entire ring itself is solid copper wire also. Tom, KA4RKT is right in the money according to my training on the subject. As a Telecom engineer, I've spent a few hours beaten up folks on ground issues in CO's and overseeing some installs at new offices. It's black magic to a lot of folks!

73,

Eric  
--

~~~~~  
R. Eric Sluder, KB9BGS  
3339 Eden Way  
Carmel, IN 46033-3070 USA  
><>  
~~~~~

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: SP-600 collected data available!  
Message-ID: <199704212031.WAA16598@sandra.ctv.es>

Hi BA gang!

Well, at last I have worked on the collected data about different SP-600s and have put them in my WEB page. The address is:

[http://www.geocities.com/SiliconValley/6992/sp600\\_2.htm](http://www.geocities.com/SiliconValley/6992/sp600_2.htm)

(once there, take a look to the rest of my pages, please :-) )

This data has been collected by Benjamin D. Hall and me. Please, e-mail me any additions and corrections. I would like also to get a list of HC-10 and SPC-10 around and any other information related with these nice SP-600 receivers (as published modifications).

Hope you enjoy it!.

Best regards.

JOSE

-----  
73 JOSE V. GAVILA (EB5AGV / EC5AAU)  
46910 Benetusser - Valencia (IM99TK) SPAIN  
\*\*\* PLEASE, VISIT MY HOME PAGE AT:  
<http://www.geocities.com/SiliconValley/6992>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: SP-600 collected data available!  
Message-ID: <199704212032.WAA16629@sandra.ctv.es>

Hi BA gang!

Well, at last I have worked on the collected data about different SP-600s and have put them in my WEB page. The address is:

[http://www.geocities.com/SiliconValley/6992/sp600\\_2.htm](http://www.geocities.com/SiliconValley/6992/sp600_2.htm)

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Best regards.

JOSE

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<http://www.geocities.com/SiliconValley/6992>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org  
-----

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
Subject: swapnet listings of interest  
Message-ID: <9704210209.AA27493@netman.ENS.TEK.COM>

Couple of listing on 3915 net this morning that someone maybe interested in.  
HRO-60 w/A,B,C,D coils, \$200, Marti, KG7BA, 360-687-5650, also had a Drake C-line.

Hallicrafters SX-110, \$65, W7KAG in Florence, OR, 541-997-6314.

Terry  
KI7M

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: n4bno@juno.com (James R Bridgers)  
Subject: TR4-C Tune up?  
Message-ID: <19970420.173257.5367.0.n4bno@juno.com>

Hello All,  
Anyone knowledgeable about Drake TR4-C transceiver might be able to help with a tune up problem. Tune up procedure calls for switching the mode switch to the X-cw position (without CW key connected) to key up the transmitter to get a dip in the plate current. This one used to work correctly, but now it keys the transmitter momentarily and then un keys. Change V19 but not luck. Tried a straight key and the same thing happens keys up momentarily and then drops out. Anyone ever had this problem?

If you can help please respond directly :

n4bno@juno.com

Thanks,  
73  
Rodney

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: KA9EGW@aol.com  
Subject: twinax connectors  
Message-ID: <970420220352\_1818579416@emout09.mail.aol.com>

Just read a post where the writer stated he couldn't find twinax connectors at a hamfest--I remember just 2 weeks or so ago I threw out a catalog at work from a computer place specializing in networking equipment and software and they had twinax connectors in there. Apparently twinax is commonly used in some way for computer local networks--might be worth looking into if you need these connectors. Sorry I can't remember the name of the place fgor sure--it was something like "network warehouse".

73 de KA9EGW

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: W4UOC@aol.com  
Subject: Wanted / Dial Scales for Morrow Twins  
Message-ID: <970420150553\_-798598358@emout07.mail.aol.com>

I recently received the Morrow Twins from Bob Login near Greenville, SC. I have them both working but need to replace the dial scales on both the transmitter and receiver. A photo copy of the scales might work and I will silk screen them back onto the glass if necessary.

I would also consider purchasing Morrow Twins parts radios as well.

Tom Koch - W4UOC  
8170 Habersham Waters Road  
Dunwoody, GA 30350  
w4uoc@aol.com

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: CADV16@aol.com  
Subject: WTB: (WE) Collins KWM-2A  
Message-ID: <970420185435\_83667907@emout10.mail.aol.com>

Looking to purchase a Winged Emblem Collins KWM-2A transceiver in MINT collectors quality condition. Please advise of price and description of condition of radio. Thank You! Elliott Klein / K7ER email: CADV16@AOL.COM or (602) 991-0575 voice line, (602) 483-0794 fax.

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Ed Tanton <n4xy@bellsouth.net>  
Subject: WTB: National stuff  
Message-ID: <3.0.1.32.19970420184041.00a908f0@mail.atl.bellsouth.net>

Hi everyone... If anyone has & will part with them, I would like to buy the following: National (mostly HRO) parts:

- 1) National SOJ-3 Select-O-Ject w/ps
- 2) National NFM-60 NBFM plug-in
- 3) Osc. tube current regulator: 4H4C several if right price

Thanks.

72/73

-----  
Ed Tanton N4XY EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

-----  
QRP-ARCI #7663 G-QRP #6779 OK-QRP #172 QRP-L #758  
AdvRC #140 NORCAL #1779 NCDXF SEDXC  
Life Member: ARRL AMSAT INDEXA QCWA  
-----

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% QRP: 95-100% (Mood swings!)

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

From boatanchors@sco.theporch.com Mon Apr 21 11:16:18 1997  
From: Glen Galati <eldim@worldnet.att.net>  
Subject: WTB: Tek CRT  
Message-ID: <19970421080909.AAA7219@GLENGALA>

Hello BA's, Looking for Tek CRT 050-1562-00 or 154-0067-02.  
Trying to replace broken CRT in Tek 1502 TDR.  
Thanks, Glen Galati KA7BOJ  
eldim@worldnet.att.net

From boatanchors@sco.theporch.com Sun Apr 20 21:07:45 1997  
From: Ho4bart@aol.com  
Subject: Yet more TBY  
Message-ID: <970420133424\_-965575308@emout20.mail.aol.com>

Does anyone know, is there an early version of this  
equipment without the radium paint feature?

Also, it occurred to me, that to make this set  
compatible with current radios for demonstration  
purposes, you could hang a cb xtal 27 or 49 MHz  
type, between the oscillator grids, 3rd overtone  
standard type, to stabilize the set enuff to be  
able to work to current radios.

BTW, long ago i heard of a USA ham in Chicago  
working into Mexico with his TBY, this during the  
splendid HF season of i think it was, year 1959.  
hue miller

From boatanchors@sco.theporch.com Mon Apr 21 15:36:48 1997  
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>  
Subject: [Fwd: Re: I-177B T.T. owners] - Reply to him, not me!!!!  
Message-ID: <335BB5A0.61FA@mail.ptdprolog.net>

Path: news.ptd.net!newsgate.ptd.net!news.fast.net!stdio!news-  
spur1.maxwell.syr.edu!news.maxwell.syr.edu!feed1.news.erols.com!news  
From: Bill Waters <wate@erols.com>  
Newsgroups: rec.audio.tubes  
Subject: Re: I-177B T.T. owners